YEAR 9 INFORMATION TECHNOLOGY WORK PLAN: Semester 1, 2017 – Ricky Sinclair

UNIT	TERM 1 TOPICS	ASSESSMENT	DUE DATE
	3D Modelling and 3D Printing *Students will use 3Ds Max to create 3D models for use in a range of applications. They will learn how to manipulate the editable poly of 3D models and print off their own models using the Colleges 3D printer* Precisely **define and decompose** real-world problems, taking into account functional and non-functional requirements and including interviewing stakeholders to identify needs Critically **evaluate** how well developed solutions and existing information systems and policies, take account of future risks and sustainability and provide opportunities for innovation and enterprise **Plan and manage** projects using an iterative and collaborative approach, identifying risks and considering safety and sustainability	Design, develop, evaluate and print *3D models* of the students own design.	Hand out **Week 5** Monitor **Week 7** Due **Week 8:** **9A** Friday 17th of March Lesson 1 **9B** Thursday 16th of March Lesson 5
UNIT	**TERM 2 TOPICS**	**ASSESSMENT**	**DUE DATE**
	Computing Fundamentals *Students will learn the individual components of a computing system including hardware, software, networking principles and programming languages* **Investigate** the role of hardware and software in managing, controlling and securing the movement of and access to data in networked digital systems Precisely **define and decompose** real-world problems, taking into account functional and non-functional requirements and including interviewing stakeholders to identify needs **Design** the user experience of a digital system, evaluating alternative designs against criteria including functionality, accessibility, usability, and aesthetics Critically **evaluate** how well developed solutions and existing information systems and policies, take account of future risks and sustainability and provide opportunities for innovation and enterprise	Design, develop, justify and evaluate a computing package based upon client needs and the Computing Fundamentals *Exam*	Hand out **Week 4** Monitor **Week 6** Exam held and assessment due **Week 8** **9A** Friday 9th of June Lesson 1 **9B** Thursday 8th of June Lesson 5

This work plan was last updated on Tuesday, 31 January 2017. The contents are subject to change – students will be advised in advance of any changes - regularly check for updates.